Magnetic birefringence of liquid ...

P/518/62/011/001/004/008 D207/D308

measured by the standard Chauvin method (using a monochromatic light beam passing in turn through a polarizer, a sample between the poles of an electromagnetic producing a constant magnetic field a quarter-wave plate, and an analyzer with half-shade plates). The light beam was normal to the magnetic field lines. The Cotton-Mouton constant of pure solvent (CCl₄) was zero. The absolute value of C increased with the solute concentration reaching C = 2.66 x x 10^{-12} for pure nitrobenzene, 2.30 x 10^{-12} for pure m-nitrotoluene 1.64 x 10^{-12} for pure o-nitrotoluene, 1.36 x 10^{-12} for pure o-nitro-anisol and -2×10^{-13} for pure 1,2-dibromoethane (all these constants are in units of $0e^{-2}$.cm-1). Acknowledgement is made to Professor Doctor A. Piekara for his advice and discussions. There are 3 figures and 5 tables.

ASSOCIATION: Katedra Fizyki Doświadczalnej Uniwersytetu im. A.
Mickiewicza w Poznaniu (Department of Experimental
Physics, A. Mickiewicz University, Poznań)

Card 2/2

P/518/62/011/001/005/008 D207/D308

AUTHOR:

Surma, Marian

中国的企业是是是国际的。这个个国际的社会企业的现在分词的现在分词,这样可以会们,这个时间,这些对社会的这个任何的社会国际的是,因此是国际的特别的主义的主义,但是

TITLE:

Magnetic birefringence of liquid solutions. II. Investigation of magnetic birefringence of polar liquids and their solutions in benzene using strong pulsed

magnetic fields

SOURCE:

Poznańskie Towarzystwo Przyjaciół Nauk. Komisja Matematyczno-Przyrodnicza. Prace. v. 11, no. 1, 1962.

Fizyka dielektryków. no. 1, 131 - 150

TEXT: This paper was presented on October 19, 1961, at a meeting of the Komisja Matematyczno-Przyrodnicza PTPN (Mathematical and Scientific Committee, PTPN). The Cotton-Mouton magnetic birefringence constants, C, of nitrobenzene, m-nitrotoluene, o-nitrotoluene, o-nitroanisol and their solutions in benzene were measured in the same way as in Part I (see preceding paper) except that pulsed magnetic fields were used. These fields were produced by discharging a battery of 14 x 1 µF capacitors charged to 50 KV through an aircored coil. The apparatus was the same as in the work of Piekara et Card 1/3

P/518/62/011/001/005/008 D207/D308

Magnetic birefringence of ...

al. (Acta Phys. Polon., v. 15, 381, 1956; Proc. Phys. Soc. B, v. 70, 432, 1957), except that the latter workers used 14 x 2 µF capacitors. The coil consisted of 23 turns of copper strip and the useful volume was 25 cm³ in which 126 µsec 150 k0e pulses were obtained. Measurements of C were carried out in the same way as in Part I. The Cotton-Mouton constant of pure solvent (benzene) was C = 0.71 x 10-12 0e-2.cm-1. The absolute value of C increased with the concentration of (1) nitrobenzene, (2) m-nitrotoluene and (3) 0-nitrotoluene in benzene reaching 2.66 x 10-12, 2.25 x 10-12 and 1.58 x 10-12 for the pure liquids (1), (2) and (3) respectively. In the case of o-nitroanisol in benzene increase of the solute concentration first reduced C to a minimum at about 5 % of the solute and then raised C again so that it reached 1.34 x 10-12 (all these constants are in units of 0e-2.cm-1). The author also investigated magnetic birefringence of 1,2-dibromoethane solutions in benzene in constant magnetic fields. The Cotton-Mouton constant of pure 1,2-dibromoethane was -2 x 10-13 0e-2.cm-1, while the C values of its solutions in benzene increased with decreasing solute concentration Card 2/3

Magnetic birefringence of ...

P/518/62/011/001/005/008 D2U7/D308

passing through zero at about 81 % of the solute and thereafter becoming positive. The Cotton-Mouton constants obtained in this work were used to calculate the molar Cotton-Mouton constants; the latter are used in Part III to compare the experimental results with the theory of magnetic birefringence of liquids. Acknowledgement is made to Professor Doctor A. Piekara for his advice. There are 10 figures and 5 tables.

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ASSOCIATION: Katedra Fizyki Doświadczalnej Uniwersytetu im. A. Mickiewicza w Poznaniu (Department of Experimental Physics, A. Mickiewicz University, Poznań)

Card 3/3

P/518/62/011/001/006/008 D207/D308

AUTHORS:

Kielich, Stanisław, and Surma, Marian

的,我们就是一个人,我们就是这个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的。""我们就是一

TITLE:

Magnetic birefringence of liquid solutions. III. Theo-

ry and comparison with experiment

SOURCE:

Poznańskie Towarzystwo Przyjaciół Nauk. Komisja

Matematyczno-Przyrodnicza. Prace. v. 11, no. 1, 1962.

Fizyka dielektryków. no. 1, 153 - 172

TEXT: This paper was presented on October 19, 1961, at a meeting of the Komisja Matematyczno-Przyrodnicza PTPN (Mathematical and Scientific Committee, PTPN). A general formula is obtained for the molar Cotton-Mouton constant, CM, of multicomponent systems and it is applied to liquid solutions of polar liquids in nonpolar solvents. It is found that for condensed multi-component systems CM is not an additive quantity. This nonadditivity is due to interactions between like molecules as well as between unlike molecules. If these interactions can be neglected, as in the case of rarified gases, then CM is an additive quantity. The constant CM of a binary solution can be represented formally as a sum of the molar con-Card 1/4

Magnetic birefringence of ...

P/518/62/011/001/006/008 D207/D308

stants C_1^M and C_2^M of the two components. These constants include, however, angular correlation factors $R_{\rm CM}(1)$ and $R_{\rm CM}(2)$ which depend linearly on the molar fractions of the two components in the solution and on parameters J_{ij} (i, j = 1, 2) which are determined by the molecular symmetry and intermolecular interactions. The theory predicts different values of the correlation factors for different molecular symmetries. For polar molecules of a given symmetry the correlation factors depend on the symmetry of nonpolar solvent molecules. Assumption of spherical symmetry for solvent molecules gives a linear dependence of $R_{\rm CM}$ on the concentration of the solution. Measurements of magnetic birefringence reported in Parts I and II, and by E.J. Burge and O. Snellman, for solutions of polar liquids in carbon tetrachloride (spherical molecules) show that within the experimental error the angular correlation factors of the polar components, in agreement with the theory depend linearly on the concentration of the solution. Comparing the experimental values of the correlation factors for pure liquids with the theoretical expressions, parameters J_{ii} are calculated and the numerical values ob-Card 2/4

APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653930008-6"

P/518/62/011/001/006/008 D207/D308

Magnetic birefringence of ...

tained are used to determine the molar constants c^M for solutions of polar liquids in benzene. The values of c^M calculated in this way agree satisfactorily with the experimental values, especially for concentrated solutions, with the exception of m-nitrotoluene in benzene. The deviations of the theoretical values of c^M from the experimental constants at low concentrations are the consequence of the assumption that c^M from that c^M from the experimental constants at low concentrations are the consequence of the interactions between solvent and solute molecules. If non-zero values of c^M and c^M are used, the agreement between the theory and experiment is improved. The assumption c^M for solutions of nitrobenzene because the molar constant fied only for solutions of nitrobenzene because the molar constant c^M of nitrobenzene in solution is independent of the nature of the solvent (cf. Parts I and II). Acknowledgement is made to Professor Doctor Piekara for discussions and advice. There are 6 figures and 1 table.

ASSOCIATION: Instytut Fizyki Folskiej Akademii Nauk, Poznań (Institute of Physics, Polish Academy of Sciences, Poznań)

Card 3/4

Magnetic birefringence of ...

P/518/62/011/001/006/008 D207/D308

(S. Kielich); Katedra Fizyki Doświadczalnej Uniwersytetu im. A. Mickiewicza w Poznaniu (Department of Experimental Physics, A. Mickiewicz University, Poznań) (M. Surma)

Card 4/4

ACCESSION NR: AP4040366

P/0045/64/025/003/0485/0501

AUTHOR: Surma, M.

TITLE: Hagnetic birefringence of solutions of dipolar liquids in non-dipolar solvents

SOURCE: Acta physica polonica, v. 25, no. 3, 1964, 485-501

TOPIC TAGS: magnetic birefringence, dipolar liquid, nitrobenzene, magnetooptics

ABSTRACT: The magnetic birefringence of two-component solutions of liquids was measured, the dipolar component being nitrobenzene, m-nitrotoluene, o-nitrotoluene, o-nitrotanisol, 1,2-dibromoethane, and the other, non-dipolar component of the solution being carbon tetrachloride or benzene. The density and refractive index of the solutions were measured. The data obtained were used in computing the molar Cotton-Mouton constant of the solution. The magnetic birefringence of the dipolar liquid solutions in benzene was measured in strong pulsed magnetic fields up to 100k0e, and that of the same

Card 1/3

ACCESSION NR: AP4040366

liquids in carbon tetrachloride was measured in constant fields. An electronic method was devised for measuring the magnetic birefringence of liquids in pulsed fields. The author thanked Prof. A. Pickara for valuable advice. Orig. art. has: 14 figures and 1 table.

ASSOCIATION: Katedra Fizyki Doswiadczalnej, Uniwersytetu A. Mickiewicza, Poznan Institute of Experimental Physics, A. Mickiewicz University)

SUBMITTED: 280ct63

DATE ACQ: 15May64

ENCL: 01

SUB CODE: GP

NO REF SOV: 001

OTHER: 046

Card 2/3

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653930008-6

: USSR COUNTRY Q CATEGORY Farm Animals. : RZhBiol., No. 3, 1959, No. 12044 The Swine. ABS. JOUR. : Akulinin, A. A.; kovalev, N. A.; Surma, V. V. : Vitabek Institute of Veterinary Science. ROHTUA : The Blood Supply of Cranial Cervical Sympathetic Ganglia in the Fig. INST. TITLE : Uch. gap. Vitebskogo vet. in-ta, 1957, 15, ORIG. PUB. : It was shown on 7 carcasses of piglets 2-4 268-272 months old by using methods of infusing the ABSTRACT vessels, as well as preparations and roontgenography that the cranial cervical sympathetic ganglia (CCS G) blood supply divides into branches which form anastomoses between themselves. The blood supply of the right CCSG proceeds from the external and internal carotid, the occipital-carotid and the superficial temporal arteries. The left CCSG is supplied by the branches of the ex-1/2 Card:

SURHACEWICE, M.

Control and Accounting durin- the course of production in the furniture industry.

P. 214, (Przemysl Drzewny, Vol. 7, ho. 7, July 1956, Warszawa, Poland)

Monthly Index of Fast European Accessions (E.AI) IC. Vol. 7, no. 2, February 1958

TOTAL HOUSE BOAY TO PROTEST TO SELECT TO SELECT THE SEL

SURMACH, G. P.

"Processes of Drainage and Masnust on the Rubble Soils of Steep Slopes in the Southeastern Part of the RSFSR and Cornection of The e Processes With the Problems of Forest Improvement." Sub 31 Jan 51, Soil Instiment V. V. Dokuchayev, Acad Sci USSR.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sun. No. 480, 9 Hey 55

9. Monthly List of Russian Accessions, Library of Congress, D. 18722 1952

- 1. SURMACH, G. P.
- 2. USSR (600)
- 4. Soil Percolation
- 7. Investigation of water permeability and rumoff on stony chestnut soils by means of artificial rain. Pochvovedenie. No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

"APPROVED FOR RELEASE: 08/26/2000 CIA-RDP86-00513R001653930008-6 。 1986年中央中国的大学的大学的大型,所有1987年的一个企业的特别,中国中国的大型中央中央中国的中国中国中国中国中国的中国中国中国中国中国中国中国中国中国中国

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14-57-7-14406

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,

p 21 (USSR)

AUTHOR:

Surmach, G. P.

TITLE:

A Reclamational Study of Permeability, Runoff, and Erosion in Rocky Chestnut Soils on the Right Side of the Lower Volga (Izucheniye vodonepronitsayemosti, stoka i smyva na kashtanovykh shchebnistykh pochvakh pravoberezh'ya nizhney Volgi v tselyakh ikh melioratsii)

FERIODICAL:

Tr. Pochv. in-ta AN SSSR, 1955, Vol 48, pp 5-141

ABSTRACT:

The experiments took place along the slope (with a northern exposure) which drops down to the Kamyshinka River four km west of the city of Kamyshin. The slope is 450 km long, and its average steepness is 11 percent (6 to 17 percent). The following methods were employed: application of artificial precipitation, with and without ground flow, establishing of runoff zones,

Card 1/2

CIA-RDP86-00513R001653930008-6" APPROVED FOR RELEASE: 08/26/2000

USSR/Soil Science - Cultivation, Melioration, Erosion.

J.

Abs Jour

: Ref Zhur - Biol., No 15, 1959, 67973

Author

: Surmach, G.P.

Inst

Title

: The Struggle with Erosion on the Chernozems of Kuybyshev

Oclast'.

Orig Pub

: C. kh. Povolzh'ya, 1957, No 3, 31-35.

Abstract

: Soil crosion in the Trans-Volga area is caused primarily by thaw waters, but rain water also plays a part. In some rayons adjoining the Volga valley ~ 20% of the plowed area is heavily or very heavily eroded. On slopes that are steeper than 1° certain techniques of soil tillage are recommended, depending upon the relief and snow--retaining conditions. To prevent the formation of ravines it is re-

commended that cattle be pastured in enclosures.

Card 1/1

- 54 -

on . . . Lested stays, 1957, to. 3, 91-95

APPROVED FOR RELEASE 08/26/2000 Sumil tameously with the had

modelboards (3% - 40 cm) attached to the third body of a four-gang ploy, or to the second of a three-sang play. The lengthened moldbaard terraces 25 - 30 on high. On steep slopes being prepared for black fallow one should plew without a moldboard, leaving stubule to form the terrace. The trial with lengthened moldboards was made in Kuybyshevskaya Oblast.

--5.A. Nikitin

1/1

34

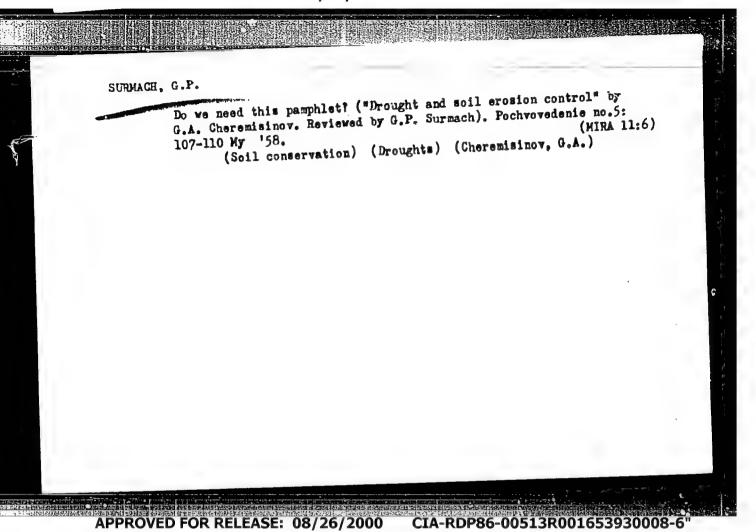
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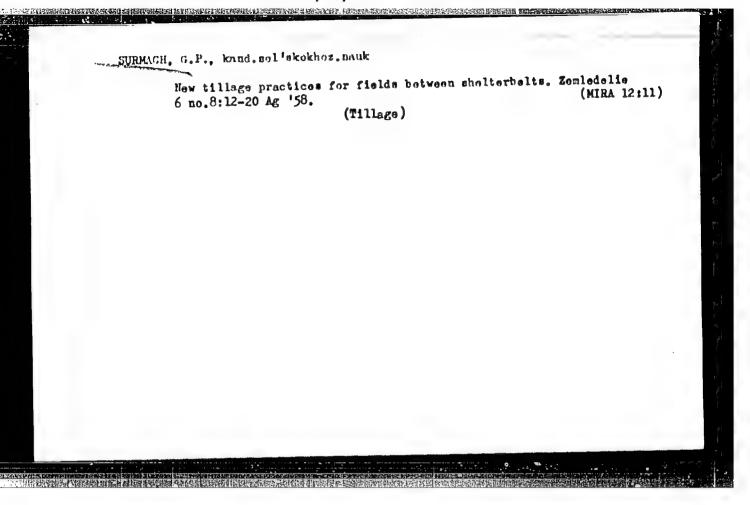
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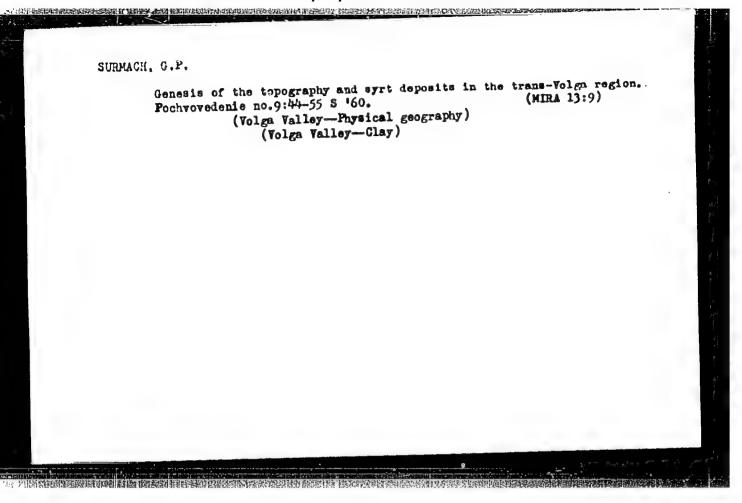
: Surmach, G. P.

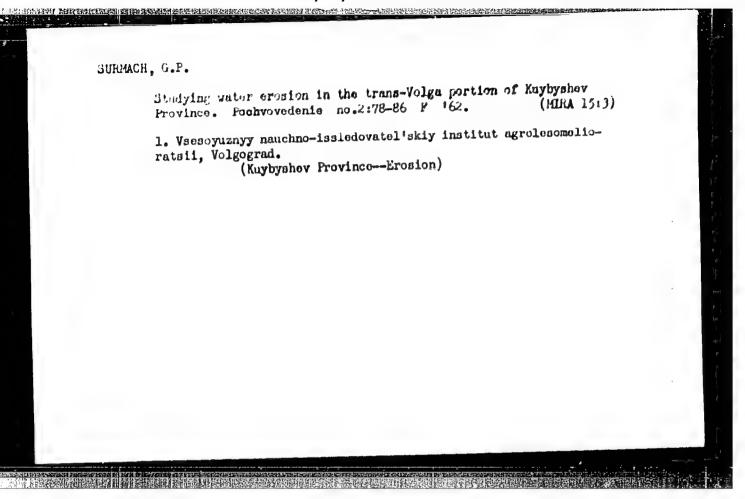
The Possibility of Natural Regeneration of Pine in the Kanyahinskiy Mountain Range

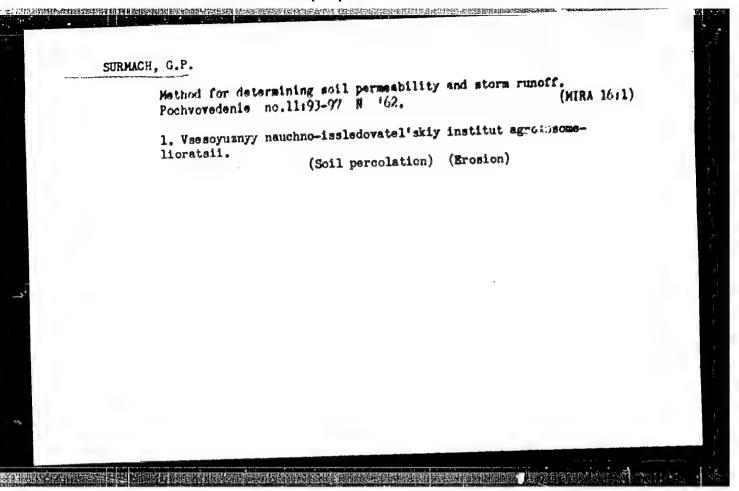
sharn 1958, No. 5, 71





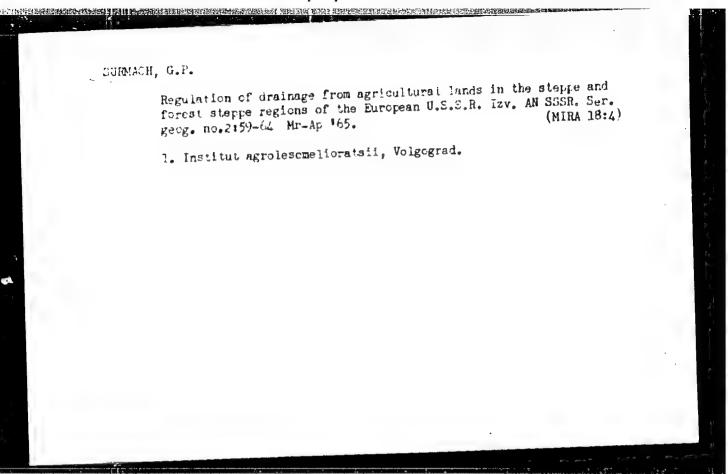








"Development of erosion processes in the European part of the U.S.S.R. and their control" by S.S.Sobolev. Reviewed by G.P. Surmach. Pochvovedenie no.4:105-111 Ap '63. (MIRA 16:5) (Soil conservation) (Sobolev, S.S.)



。 1987年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,1988年,19

SURMACH, G.P.

Effect of the surface microrelief and depth of fall plowing on the runoff of snow waters. Pochvovedenie no.6:103-113

Je '65. (MIRA 18:11)

1. Vsesoyuznyy nauchno-issledovatel skiy institut agrolesomelioratsii. Submitted February 4, 1963.

DOROSINSKIY, L.M., kandidat biologicheskikh nauk; LAMPOVSHCHIKOV, P.;
SURMAH, K.I.

Growing Azotobacter by the depth method, Trudy Vees.inst.sel'khoz.
mikrobiol. 13:124-130 '55. (MEMA 8:1)

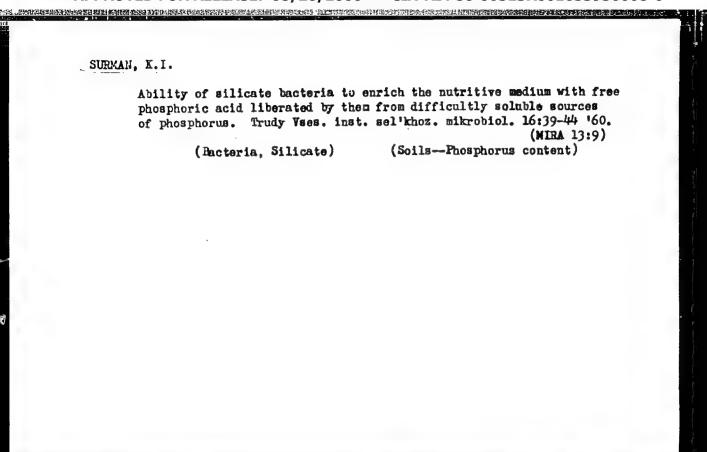
(Azotobacter) (Bacteriology-Cultures and culture media)

SURMAN, K.I.

Developmental peculiarities of silicate bacterias cultivated in liquid media. Dokl. Akad. sel'khoz. 23 no.4:32-36 '58. (MIRA 11:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii. Predstavleno akademikom I.I. Samoylovym.

(Bacteria, Silicate)



SURMAN, K.I.

Decomposition of phosphorus compounds, sparingly available to plants, by silicate bacteria. Trudy Inst. mikrobiol. no.11: 269-274 '61 (MIRA 16:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'sko-khozyaystvennoy mikrobiologii kesoyuznoy akademii sel'sko-khozyaystvennykh nauk imeni Lenina.

SURMANEK, Josef, inz.

Planning and control of building. Pos stavby 13 nc.3:
30-91 '65. 3:

1. Research Institute of Mechanization, Prague.

INDZHIKYAN, M.G.; SURMANYAN, S.A.; BABAYAN, A.T.

Investigations in the field of quaternary ammonium compounds.

Report No.8: Stability of bonds of certain organic radicals in quaternary ammonium compounds. Isv. AN Arm. SSR Ser. khim. nauk (MIRA 10:12) 10 no.3:213-221 157.

1. Khimicheskiy institut AN ArmSSR.
(Armonium compounds) (Chemical bonds)

RARAYAN, A.T.; INDZHIKYAN, M.G.; SURMANYAN, S.A.

Comparative stability of bonds between the allyl and bensyl radicals and nitrogen. Dokl AN Arm. SSR 26 no.4:235-240 '58. (MIRA 11:5)

1.Chlen-kerrespondent AN Armyanskoy SSR (for Indshikyan).
2.Institut organicheskoy khimii Akademii nauk Armyanskoy SSR.

(Allyl) (Bensyl) (Nitrogen)

SURMASHIKOV, K

K. BURNASHIKOV

The achievements in routers breeding of the state agricultural farm Kondov in Stalin. p. 12. (Kourana at C Zermachie, Vol. 7, no. 6, Cot. 1952, Soriya, Eulgaria.)

SC: Monthly List of East European Accessions, L.C., Vol. 2 No. 7, July 1953, Uncl.

. ACC NR. AP6028026

UR/0251/66/042/001/0045/0049 SOURCE CODE:

AUTHORS: Tavadze, P. N. (Academician AN GruzSSR); Surmava, G. G.; Svetlov, I. L.

CONTRACTOR DE LA COMPANION DE COMPANION DE CONTRACTOR DE C

ORG: Georgian Metallurgical Institute (Gruzinskiy institut metallurgicheskiy)

TITLE: Investigation of diffusion in microwires of copper

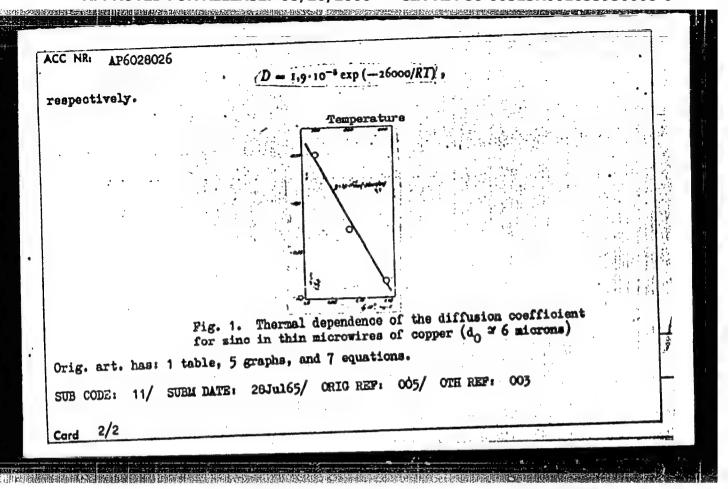
SOURCE: AN GruzSSR. Soobshcheniya, v. 42, no. 1, 1966, 45-49

TOPIC TAGS: copper, sinc, wire, metal diffusion

ABSTRACT: The diffusion of zinc in microwires of copper was studied. The wire specimens were prepared after the method of A. V. Ulitovskiy (Tonkaya provoloka v sploshnoy steklyannoy izolyatsii i vozmozhnosti yeye primineniya. Pribory i tekhnika eksperimenta, 3, 1957, 11). The diffusion of zinc in the wire specimens was studied after the method of B. S. Bokshteyn, A. A. Zhukhovitskiy, and G. G. Surmava (Metodika i ustanovka dlya izuchemiya diffuziy v nitevidnykh kristallakh. Zavodskaya laboratoriya, 4, 1966). The specimens had diameters of 6 and 20 microns. The diffusion was studied at 600, 650, and 7000, and the experimental results are summarized in graphs and tables (see Fig. 1). It was found that the activation energy for diffusion of zinc was approximately 22.5 kcal/mole and that the thermal dependence of the diffusion coefficient in thin and thick copper specimens was

 $D = 4.1 \cdot 10^{-6} \exp{(-24000/RT)}$

Card 1/2



 ACCESSION NR: AR4027670

S/0276/64/000/001/B071/B071

SCURCE: RZh. Tekhnologiya mashinostroyeniya, Abs. 1B378

而是这些人的人,这个人的人的人,他们也是一个人的人的人,他们也不是一个人的人的人,也不是一个人的人的人,但是我们的人的人,也可以是一个人的人的人,也可以是一个人

AUTHOR: Napetvaridze, P. G.; Tabidze, A. I.; Surmava, G. G.

TITLE: Effect of nitrogen on the properties of welded seams in 18-8 austenitic steel

CITED SOURCE: Tr. In-ta metallurgii. AN GruzSSR. v. 13, 1962 (1963), 239-245

TCPIC TAGS: welded seam, welding, steel welding, austenitic steel, austenitic steel welding.

TRANSLATION: Studies were made of lkhl8N9T steel samples 4; 5 and 6 mm in thickness with the following chemical composition (\$): 0.09 C; 0.5 Si; 0.9 km; 17.37 Cu; 10.8 Ni; 0.78 Ti; 0.03 P; 0.025 S. The nitrogen was introduced into the welding bath in the form of nitrided manganese. The result of the study was a new austenitic-ferrite powder wire with a 0.5% nitrogen content. It is reported that in the welding of lkhl8N9T with this wire, the nitrogen refines the seam structure and improves the stability of seams against hot cracking.

Card 1/2

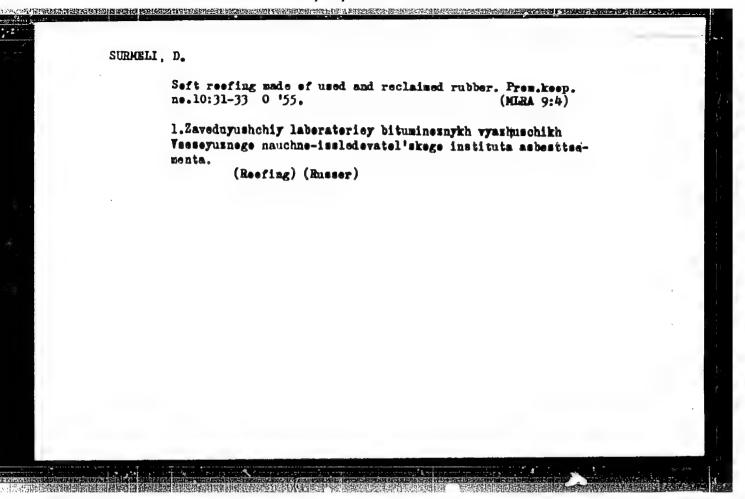
| ACCESSION NR: AR4027670 | | | | |] ! |
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| 5 illustrations. Biblio | graphy with 5 titles. | T. Kislyako | Ya. | · | |
| DATE ACQ: 034ar64 | SUB CODE: NL | ٠, . | ENCL: 00 | | |
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MARKETARN F.G.; Tablell, A.I.; SURMAVA, G.G.

Estate of nitrogen on the properties of welded joints in type
19-3 augmentate steel. Trudy Inst. met. AN Gruz. SSR vol. 13:
230-245 tol.

(MEM 17:9)

L 39979-66 EWT(1)/SWT(m)/T/EWP(t)/ETI gg/JD TJP(c) SOURCE CODE: UR/0251/66/041/003/0549/0554 ACC NRI AP6021711 AUTHOR: Tavadze, F. N. (Academician AN GruzSSR); Surmava, G. G. ORG: Georgian Institute of Metallurgy (Gruzinskiy institut metallurgii) Production of copper whisker crystals and the shapes of the crystals SOURCE: AN GruzSSR. Soobshcheniya, v. 41, no. 3, 1966, 549-554 TOPIC TAGS: copper whisker, heat of sublimation, temperature dependence, crystal growth, crystal property, crystal impurity ABSTRACT: A study of filamentary copper crystals (whiskers) produced by the thermochemical reaction CuI(liq) + H2(gas) - Cu(whisker) + HI(gas) was made. The crystals were grown on the bottoms and walls of combustion boats. Optimum growth parameters are tabulated for whiskers ranging in diameter from 3 to 50 mm and in length from 5 to 30 mm; these were grown 50-90 min, at temperatures from 590 to 700°C and at hydrogen inlet rates of 0.05-0.25 1/min. Microcrystals having 100-1000 µ diameters and lengths of 30-50 mm were also grown. Here, the temperatures ranged from 700 to 800°C, the growth time from 120 to 165 min and the hydrogen inlet rates from 0.24 to 0.40 1/min. Steps (terraces), cracks and other defects were observed in the single crystals at 100x. Both the quantity and quality of the whiskers depended on the growth conditions, i. e., on temperature, growth time and purity of the reducing gas and CuI. In



CIA-RDP86-00513R001653930008-6 "APPROVED FOR RELEASE: 08/26/2000

AID P - 3827

Subject

: USSR/Mining

Card 1/1

Pub. 78 - 15/25

。 公公公公司**建门为计划的证明,他们取到和我们建筑的是**领域的内部。价值的的比较级的,但是是一个大型的原因的不管。这位中国和的企图的可能的,但是这位行政的理解的原理

Author

Surmeli, D. D.

Title

Dependence of the quality of oil bitumens (oxidized) on the depth of extraction of oil fractions at oil distillation

Periodical

Neft. khoz., v. 33, #11, 77-80, N 1955

Abstract

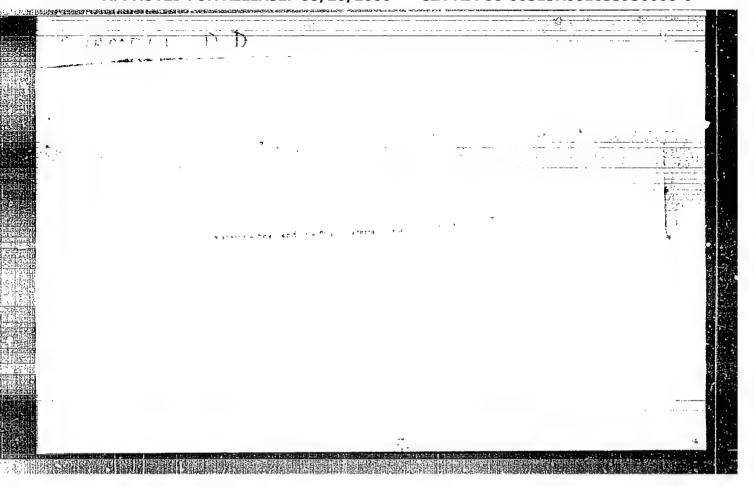
The authors analyses the different kinds of petroleum The authors analyses the utilities and points out that asphalt used for roof coverings and points out that their quality largely depends on the depth at which the cracked bituminous residue is taken out from vacuum distillation and finished by oxidation. Charts, tables.

Institution:

None

Submitted

No date



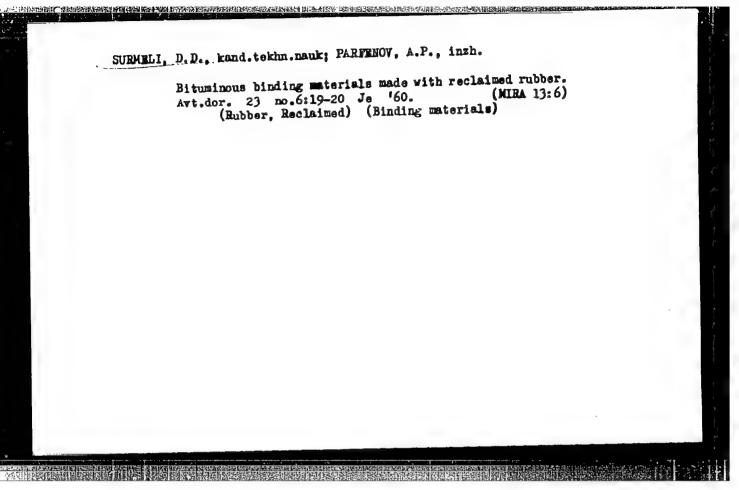
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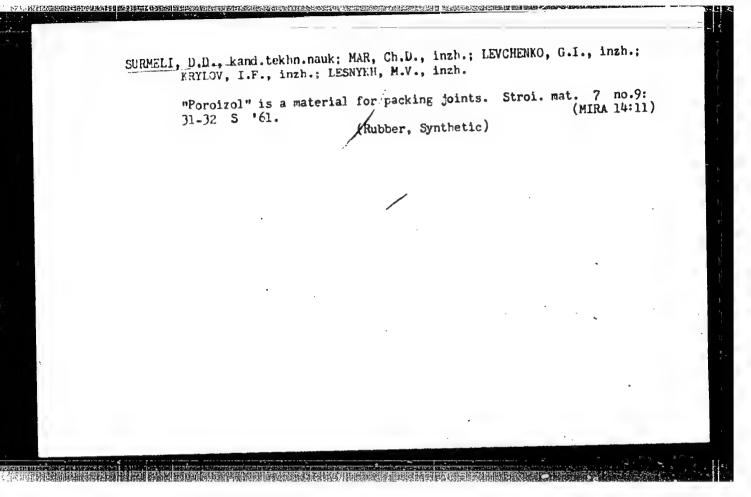
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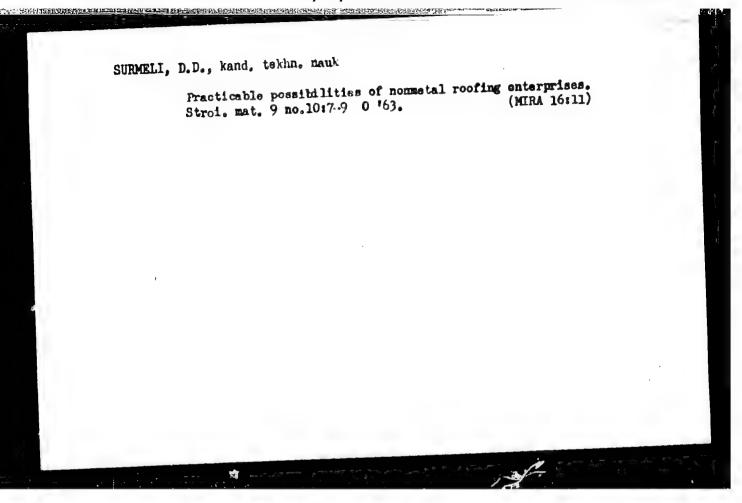
ZEVIN, L.S.; SURMELI, D.D.; KHEYKER, D.M.

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(Paraffins) (Bitumen)







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Autoclave method of producing non-hygroscopic asbestos cement.

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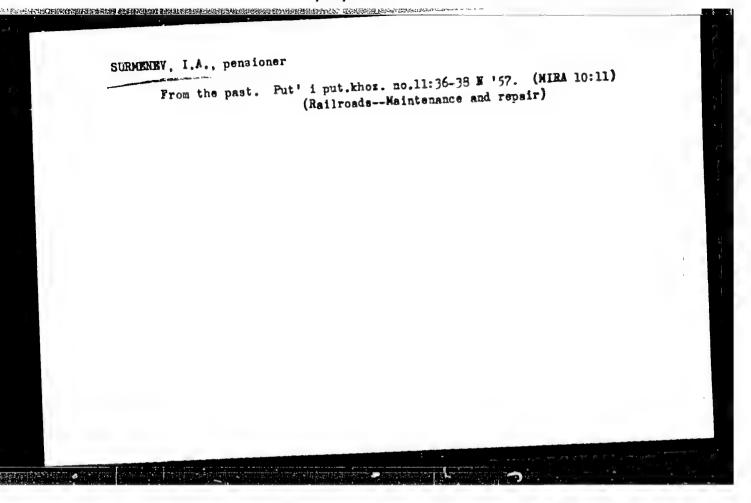
(Asbestos cement)

SURMELI, D.D., kand. tekhn. nauk; MIKHAYLOVA, R.D., kand. tekhn. nauk; RUSYAYEVA, S.D., inzh.; KPONGAUZ, V.N., inzh.

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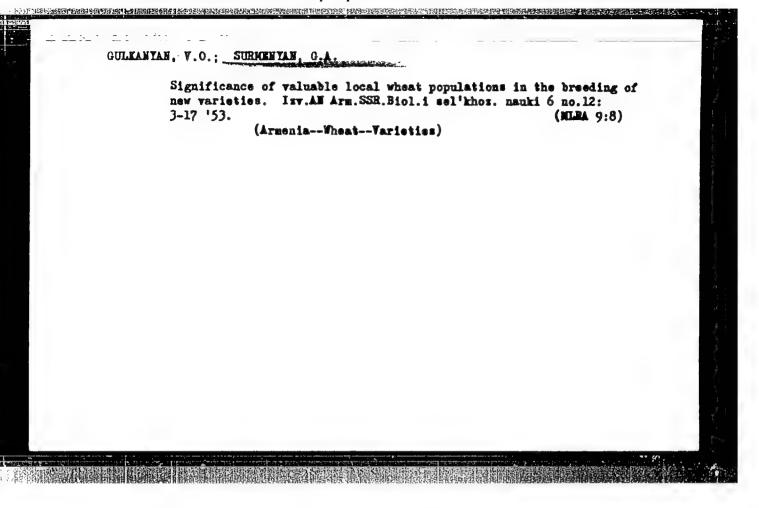
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| | 18/184 18/184 | mines and areas of value. | (Contd) Apr | 7777 | 1949 call for c and many miles ortant that load ized. Mining co open-pit mines. lye erection of | ure Tasks of Mine Constr llo, Engr, Mein Adm for | Å | Comment of the second of the s |

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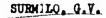
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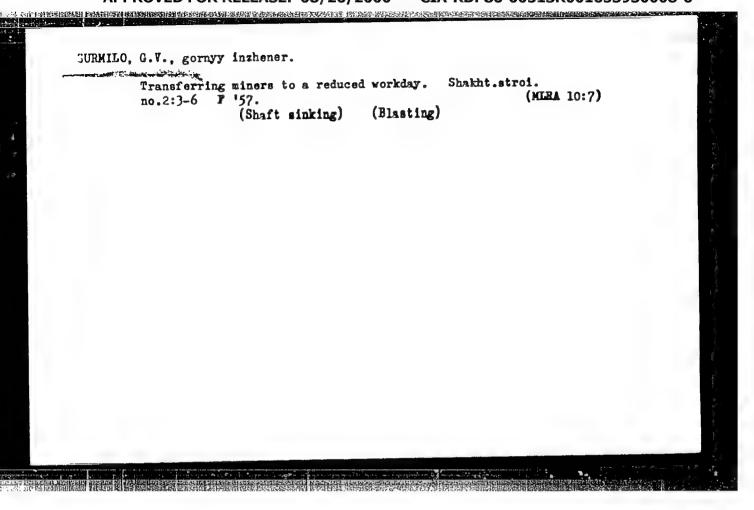
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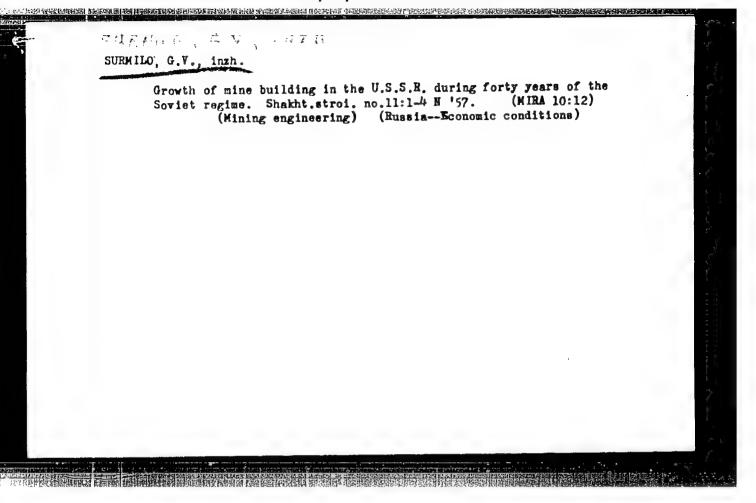


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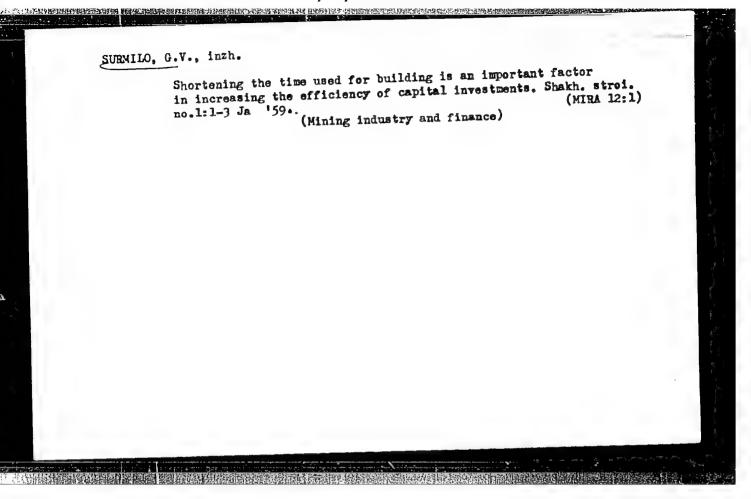
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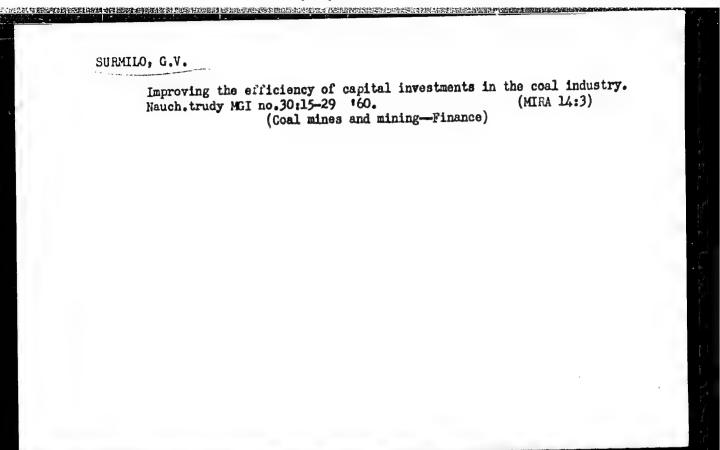
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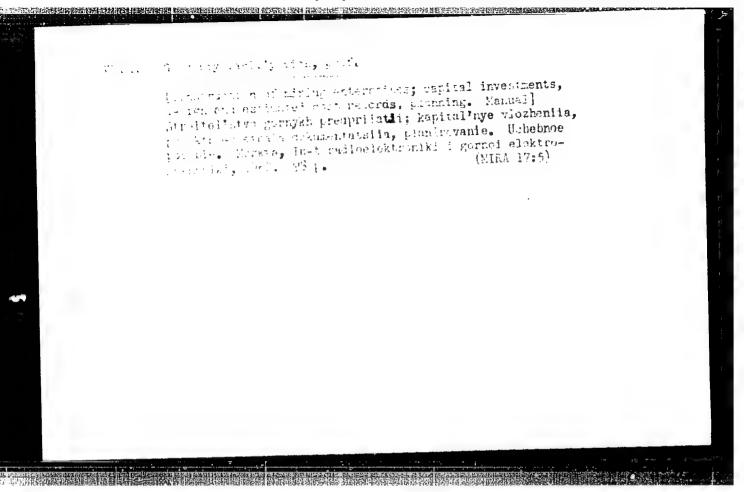
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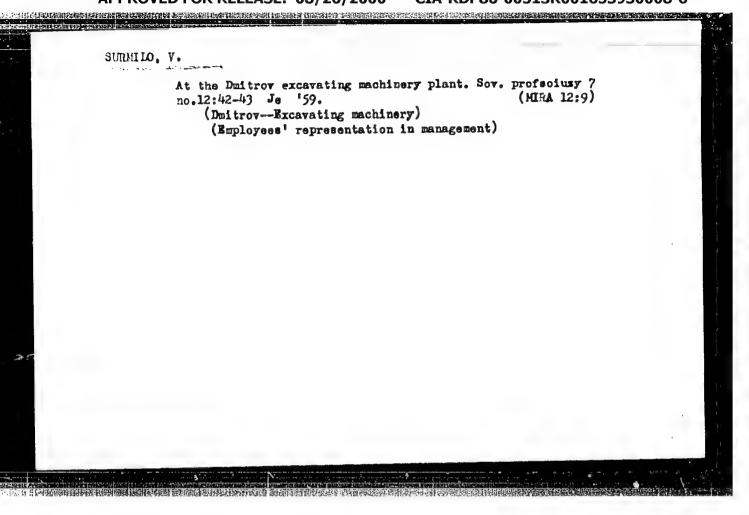
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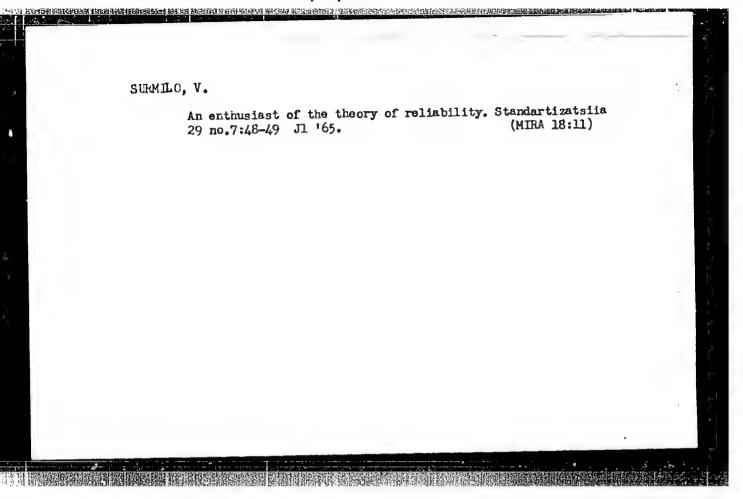
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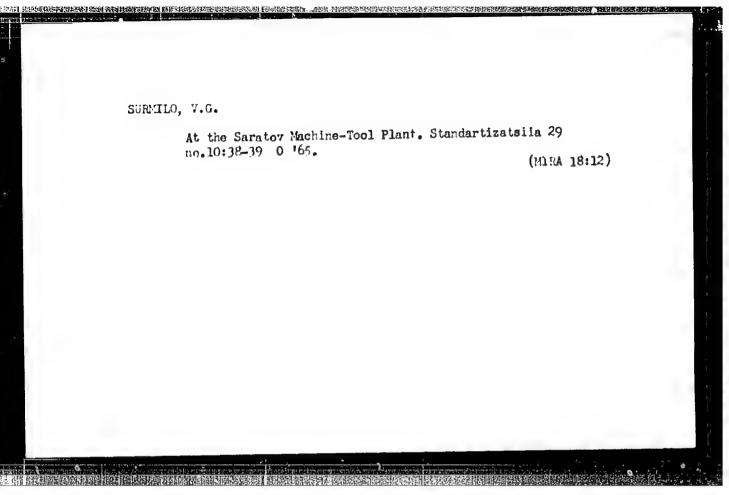


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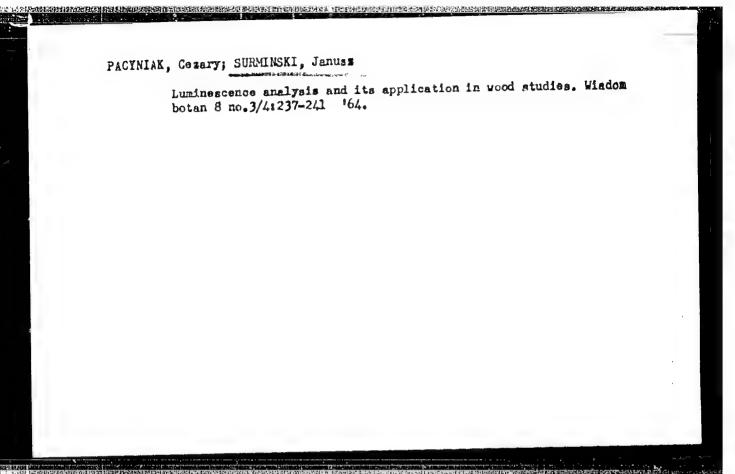
1. Spetsial'nyy korrespondent zhurnala "Standartizatsiya".

PROSINSKI, Stanislaw; SURMINSKI, Janusz; HAUFA, Barbara

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Chemical composition of narrow-leaved reed (Typha angustifolia) and experiments in obtaining cellulose pulp from it. Roczniki wyz szkola rol Poznan 16: 135-139 163.

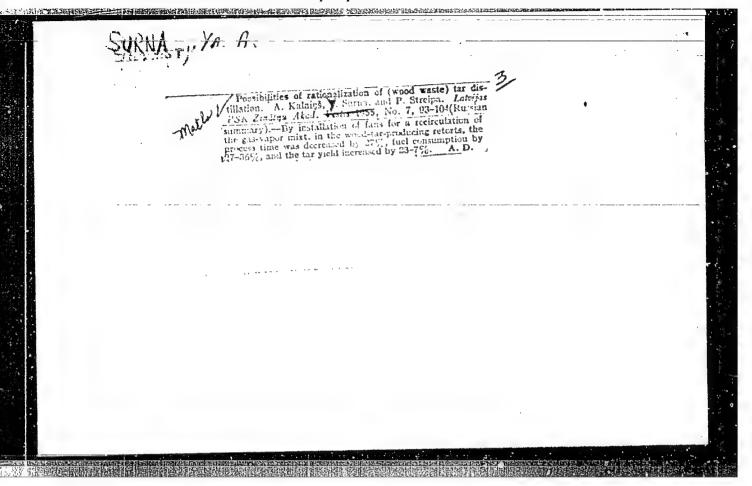
 Department of Chemical Technology of Wood, College of Agriculture, Poznan.



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Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959. Uncla.

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Possibilities of increasing the output of furfurole in wood pyrolysis. Vestis Latv ak no.11:107-113 '59. (EEAI 9:11)

 Latvijas PSR Zinatnu akademija, Mezsaimniecibas problemu un koksnes kimijas instituts. (Furaldehyde) (Pyrolysis) (Wood)

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SOLUE: Ref. zh. Khimiya, Abs. 98154

AUTHOR: Alksnis, A. F., Surna, Ya. A., Indane, M. K.

TITLE: Isomorphic copolycondensation of polyethyleneterephthalate with 7- and (6-) carboxy-, 2-methylol-, 1,4-benzodioxan

CITED SOURCE: Izv. AN LetvSSR, Ser. khim., no. 3, 1963, 367-369

TOPIC TAGS: copolymer, isomorphic copolycondensation, polyethylene terephthalate, benindiaxan copolymer, polymer flexibility, polymer density

TRANSLATION: The isomorphic copolycondensation of polyethyleneterephthalate (densation of a polymer after heating for 3 neurol at 1870 + 1,386 g/cc) with 7- (and the control of a control

